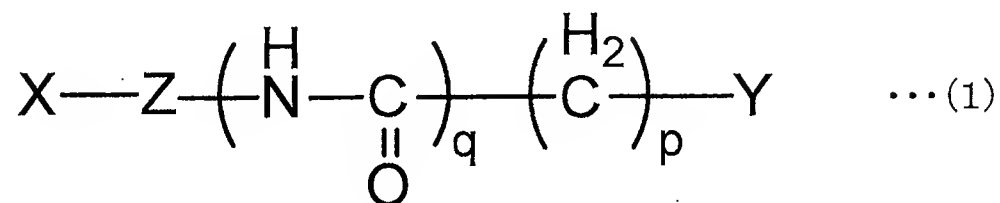## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:
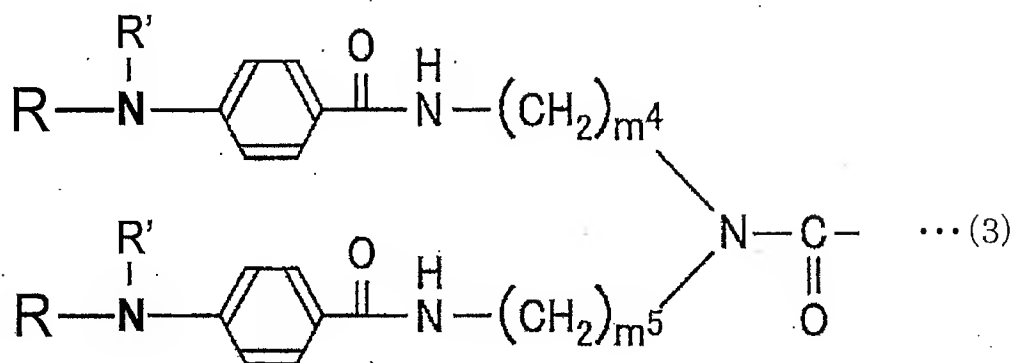
Claims:

1. (Currently Amended) A ligand conjugate comprising a linker compound and a sugar chain ~~bound to each other via an aromatic amino group~~,

the linker compound having a structure represented by General Formula (1):

$$X-Z-\left(\underset{\underset{O}{\overset{H}{N}}}{\overset{H}{N}}-\overset{}{\underset{\parallel}{C}}\right)_q\left(\overset{H_2}{C}\right)_p-Y \qquad \cdots (1)$$

where p and q are independently integers of not less than 0 but not more than 6, in which

X is a structure ~~comprising one, two, or three hydrocarbon-derivative-chains which have the aromatic amino group at an end and may have a carbon-nitrogen bond in a main chain~~ represented by formula 3:
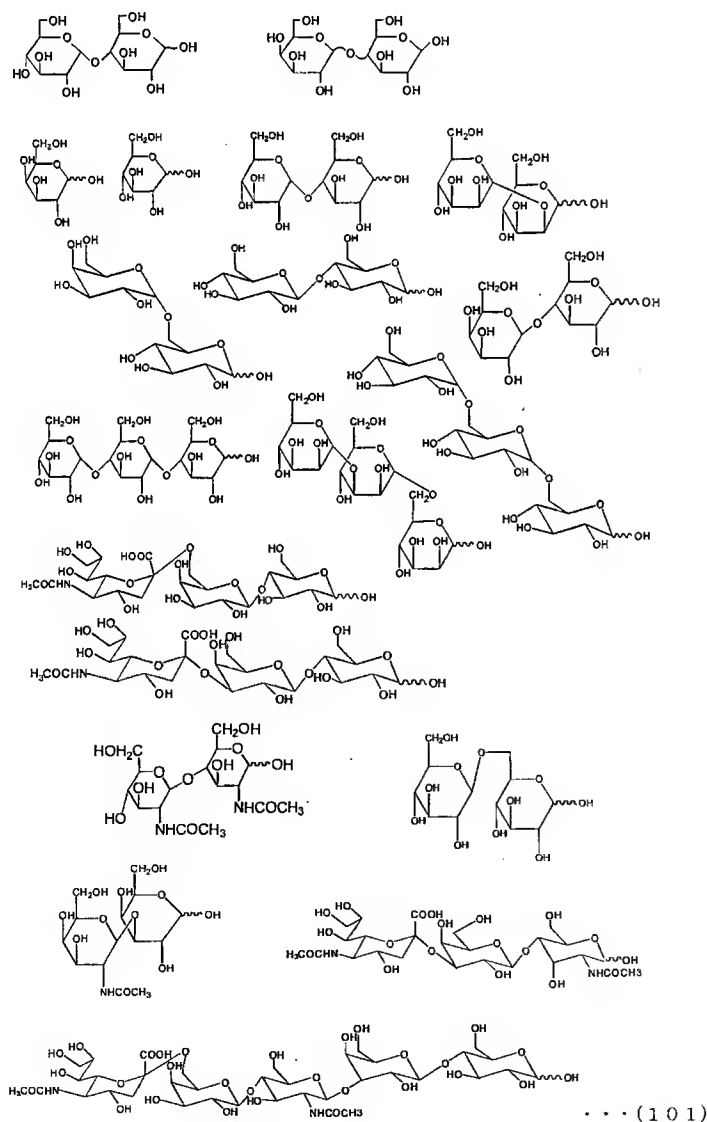
$$
\begin{aligned}
&R-N-\!\!\bigcirc\!\!-C-N-(CH_2)_{m4} \\
&\qquad \underset{R'}{\big|} \qquad\quad \underset{O}{\overset{\displaystyle\parallel}{}}\ \underset{H}{} \\[2mm]
&\qquad\qquad\qquad\qquad\qquad\qquad N-C- \qquad \cdots (3) \\
&R-N-\!\!\bigcirc\!\!-C-N-(CH_2)_{m5} \qquad\qquad \underset{O}{\overset{\displaystyle\parallel}{}} \\
&\qquad \underset{R'}{\big|} \qquad\quad \underset{O}{\overset{\displaystyle\parallel}{}}\ \underset{H}{}
\end{aligned}
$$

wherein m^4 and m^5 are each independently integers of not less than 1 but not more than 6, and R' is a hydrogen (H) or R,

Y is a sulfur atom or a hydrocarbon structure containing a sulfur atom having an S-S bond or an S-H group, and

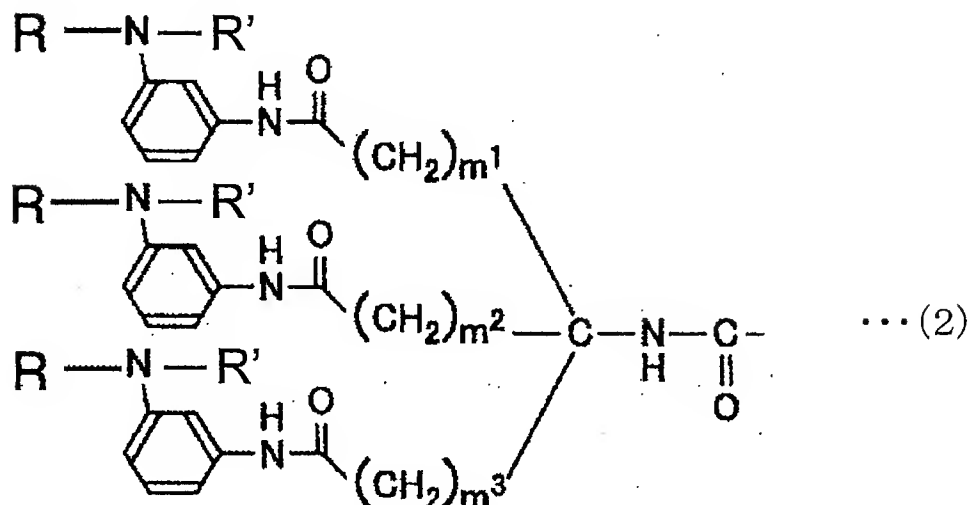Z is a straight-chain structure comprising a carbon-carbon bond or carbon-oxygen bond, and

R comprises a substituent derived from the sugar chain being selected from the group consisting of Group (110) (101):

$$\cdots (1\,0\,1)$$

2. (Cancelled).

3. (Withdrawn) The ligand conjugate as set forth in Claim 1 or 2, wherein:
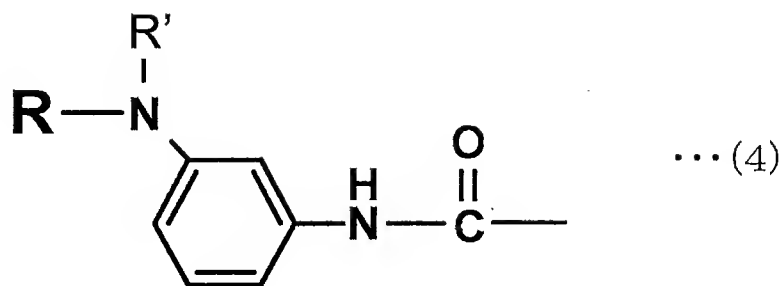
X has a structure represented by General Formula (2):

$$\cdots (2)$$

where m^1, m^2, and m^3 are independently integers of not less than 0 but not more than 6, and R' is a hydrogen (H) or R,

R being a compound derived from the sugar chain selected from Group (101).

4. (Cancelled).

5. (Withdrawn) The ligand conjugate as set forth in 1 or 2, wherein:

X has a structure represented by General Formula (4):
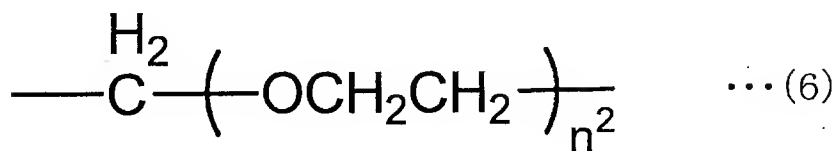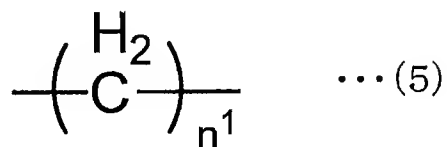
$$\cdots (4)$$

where R' is a hydrogen (H), or R,

R being a compound derived from the sugar chain selected from Group (101).

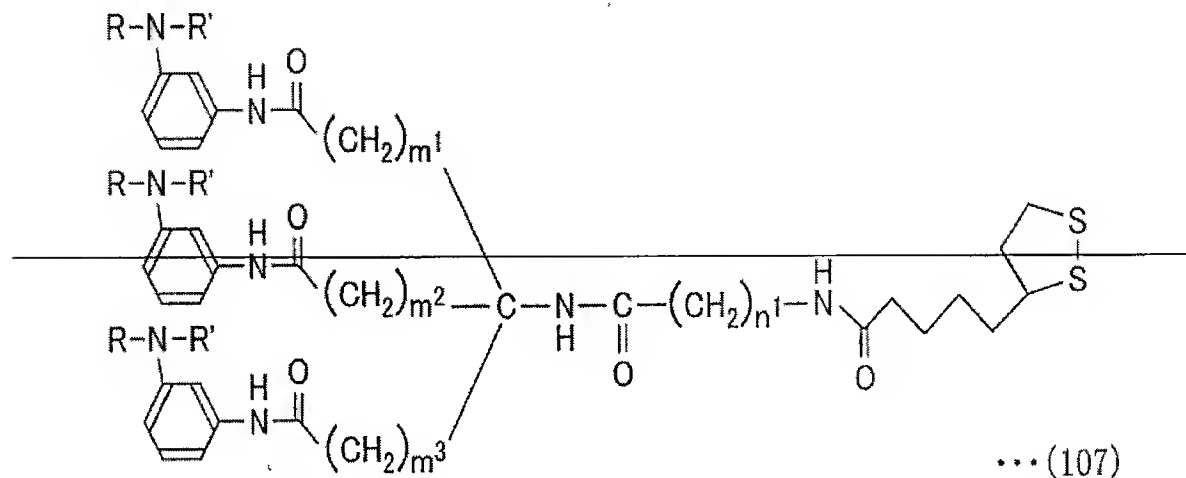6. (Currently Amended) The ligand conjugate ~~as set forth in Claim 1 or 2~~ of claim 1, wherein:

Z has a structure of Formula (5) or (6):

$$\cdots (5)$$

$$\cdots (6)$$

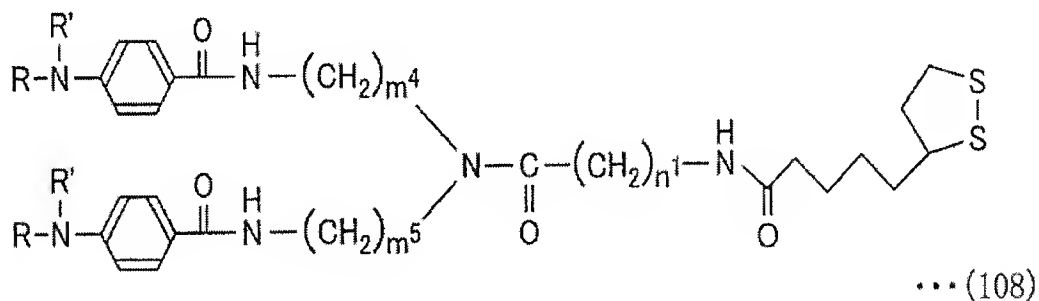where n^1 and n^2 are independently integers of not less than 1 but not more than 6.

7. (Currently Amended) The ligand conjugate as set forth in Claim 1 having~

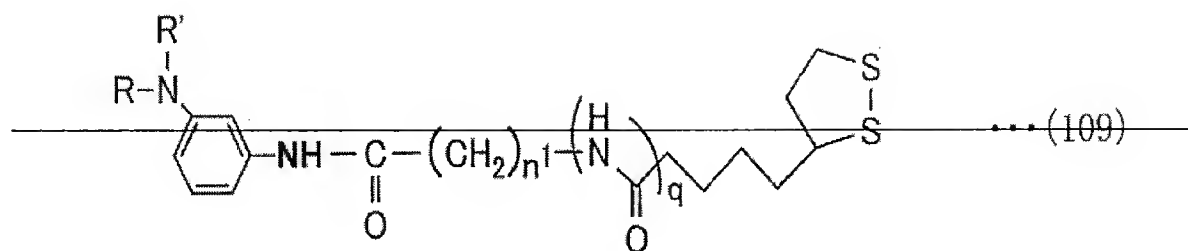~~a structure represented by General Formula (107):~~

$\cdots (107)$

~~where m^1, m^2, and m^3 are independently integers of not less than 0 but not more than 6, n^1 is an integer not less than 1 but not more than 6, and R' is a hydrogen (H) or R;~~

a structure represented by General Formula (108):

$\cdots (108)$

where ~~m^4 and m^5 are independently integers of not less than 0 but not more than 6,~~ n^1 is an integer of not less than 1 but not more than 6. ~~, and R' is a hydrogen (H) or R;~~
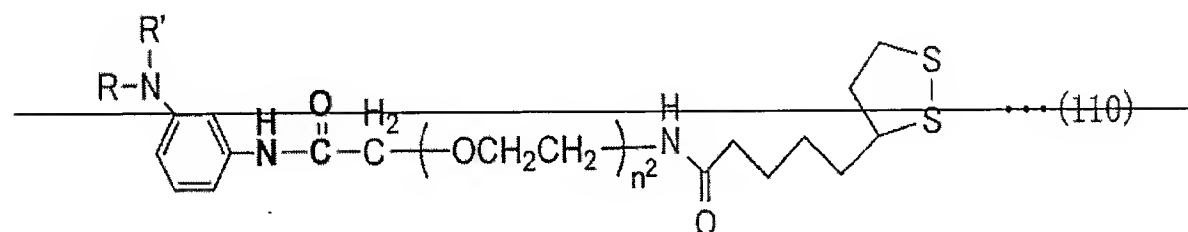
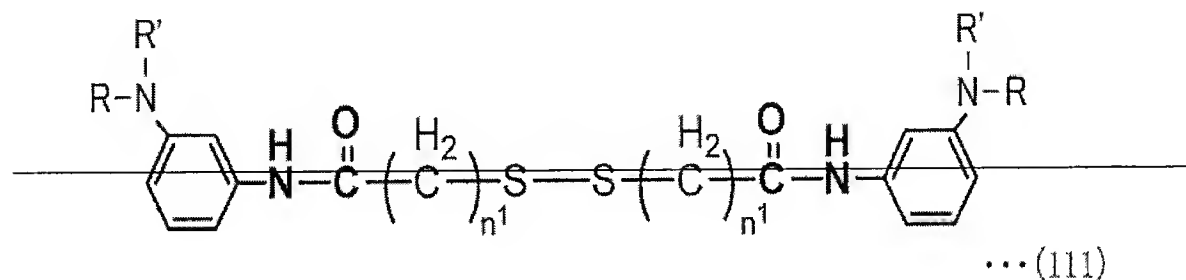~~a structure represented by General Formula (109):~~

$$\cdots (109)$$

where n^1 and q are independently integers of not less than 0 but not more than 6, and R' is a hydrogen (H) or R;

a structure represented by General Formula (110):

$$\cdots (110)$$

where n^2 is an integer of not less than 1 but not more than 6, and R' is a hydrogen (H) or R; or

a structure represented by General Formula (111):

$$\cdots (111)$$

where n^1 is an integer of not less than 1 but not more than 6, and R' is a hydrogen (H) or R, R being a compound derived from the sugar chain selected from Group (101).

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8. (Currently Amended) A ligand carrier in which the ligand conjugate as set forth in any one of Claims ~~1 to 7~~ 1 or 6-7 is immobilized on a ~~supporter~~ support having a metal on a surface thereof.

9. (Cancelled).

10. (Currently Amended) A method for analyzing protein, comprising:

allowing the ligand conjugate as set forth in any one of Claims ~~1 to 7~~ 1 and 6-8 to stand in contact with a ~~supporter~~ support so as to prepare a ligand carrier in which the ligand conjugate is immobilized on the ~~supporter~~ support;

analyzing intermolecular interaction by surface plasmon resonance (SPR) after allowing the ligand carrier to stand in contact with a protein solution; and

performing mass spectroscopy after the analysis of the intermolecular interaction, so as to identify a protein bound on the ligand carrier.

11. (New) The ligand conjugate as set forth in Claim 1, wherein m^4 and m^5 are each 2.